

JUL.17.2003 6:04PM

NORTEL RES 613 765 2114

NO.439 P.2

PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**



Declaration
Submitted
with Initial
Filing

OR



Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Do ket Number

15541ROUS02U

First Named Inventor

Mo-Han FONG

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ADAPTIVE DUAL-MODE REVERSE LINK SCHEDULING METHOD FOR WIRELESS
TELECOMMUNICATIONS NETWORKS**

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

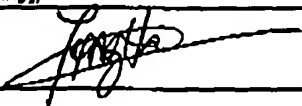
PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label		021909		OR <input type="checkbox"/> Correspondence address below	
Name							
Address							
City				State		ZIP	
Country			Telephone			Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name MO-HAN (first and middle [if any])				Family Name FONG or Surname			
Inventor's Signature 						Date	
L'ORIGINAL Residence: City			ONTARIO State		CANADA Country		CANADA Citizenship
Mailing Address 1578 BAY ROAD							
L'ORIGINAL City			ONTARIO State		K0B 1K0 ZIP		CANADA Country
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name DEREK (first and middle [if any])				Family Name YU or Surname			
Inventor's Signature						Date	
KANATA Residence: City			ONTARIO State		CANADA Country		CANADA Citizenship
Mailing Address 178 WALDEN DRIVE							
KANATA City			ONTARIO State		K2K 2K8 ZIP		CANADA Country
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>2</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

JUL-18-2003 13:10

NORTEL NETWORKS

613 768 3297 P.03

PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent ApplicationDirect all correspondence to: ☒Customer Number
or Bar Code Label

021909

OR ☐

Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventorGiven Name MO-HAN
(first and middle [if any])Family Name FONG
or SurnameInventor's
Signature

Date

L'ORIGINAL
Residence: CityONTARIO
StateCANADA
CountryCANADA
Citizenship

Mailing Address 1578 BAY ROAD

L'ORIGINAL
CityONTARIO
StateK0B 1K0
ZIPCANADA
Country

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name DEREK
(first and middle [if any])Family Name YU
or SurnameInventor's
Signature

Date

July 18, 2003

KANATA
Residence: CityONTARIO
StateCANADA
CountryCANADA
Citizenship

Mailing Address 178 WALDEN DRIVE

KANATA
CityONTARIO
StateK2K 2K8
ZIPCANADA
Country☒ Additional inventors are being named in the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

PTO/SB/02A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

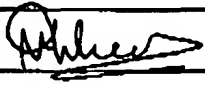
DECLARATION**ADDITIONAL INVENTOR(S)****Supplemental Sheet**

Page 1 of 2

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
JUN Given Name		LI Family Name or Surname	
Inventor's Signature		Date 7/21/03	
RICHARDSON Residence: City	TEXAS State	U.S.A. Country	CHINA Citizenship
3361 MORONEY DRIVE Mailing Address			
Mailing Address			
RICHARDSON City	TEXAS State	75082 ZIP	U.S.A. Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
ASHVIN Given Name		CHHEDA Family Name or Surname	
Inventor's Signature		Date	
PLANO Residence: City	TEXAS State	U.S.A. Country	U.S.A. Citizenship
2520 GEIBERGER DRIVE Mailing Address			
Mailing Address			
PLANO City	TEXAS State	75025 ZIP	U.S.A. Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
WEN Given Name		TONG Family Name or Surname	
Inventor's Signature		Date	
OTTAWA Residence: City	ONTARIO State	CANADA Country	CANADA Citizenship
12 WHITESTONE DRIVE Mailing Address			
Mailing Address			
OTTAWA City	ONTARIO State	K2C 4A7 ZIP	CANADA Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>2</u>
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: JUN		Family Name or Surname: LI	
Inventor's Signature		Date	
RICHARDSON Residence: City	TEXAS State	U.S.A. Country	CHINA Citizenship
3361 MORONEY DRIVE Mailing Address			
Mailing Address			
City RICHARDSON	TEXAS State	75082 ZIP	U.S.A. Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: ASHVIN		Family Name or Surname: CHHEDA	
Inventor's Signature 		Date: 7/21/03	
PLANO Residence: City	TEXAS State	U.S.A. Country	U.S.A. Citizenship
2520 GEIBERGER DRIVE Mailing Address			
Mailing Address			
City PLANO	TEXAS State	75025 ZIP	U.S.A. Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: WEN		Family Name or Surname: TONG	
Inventor's Signature		Date	
OTTAWA Residence: City	ONTARIO State	CANADA Country	CANADA Citizenship
12 WHITESTONE DRIVE Mailing Address			
Mailing Address			
City OTTAWA	ONTARIO State	K2C 4A7 ZIP	CANADA Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/02A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 1 of 2

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven
Name
JUNFamily Name
or Surname
LIInventor's
Signature

Date

RICHARDSON
Residence: CityTEXAS
StateU.S.A.
CountryCHINA
Citizenship3361 MORONEY DRIVE
Mailing Address

Mailing Address

City RICHARDSON

TEXAS
State75082
ZIPU.S.A.
Country

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven
Name
ASHVINFamily Name
or Surname
CHHEDAInventor's
Signature

Date

PLANO
Residence: CityTEXAS
StateU.S.A.
CountryU.S.A.
Citizenship2520 GEIBERGER DRIVE
Mailing Address

Mailing Address

City PLANO

TEXAS
State75025
ZIPU.S.A.
Country

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventorGiven
Name
WENFamily Name
or Surname
TONGInventor's
Signature

Date

OTTAWA
Residence: CityONTARIO
StateCANADA
CountryCANADA
Citizenship12 WHITESTONE DRIVE
Mailing Address

Mailing Address

City OTTAWA

ONTARIO
StateK2C 4A7
ZIPCANADA
Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/02A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

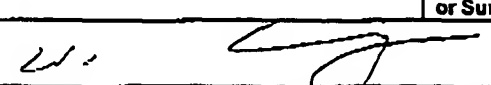
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 2 of 2

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name GENG		Family Name or Surname WU	
Inventor's Signature 		Date July 21, 2003	
Residence: City PLANO	State TEXAS	Country U.S.A.	Citizenship CANADA
Mailing Address 3401 SPRING MT. DRIVE			
Mailing Address			
City PLANO	State TEXAS	ZIP 75025	Country U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Mo-Han Fong,	§	Attorney Docket No. 15541ROUS02U
Derek Yu,	§	(NORTH 2761001)
Jun Li,	§	
Ashvin Chheda,	§	
Wen Tong,	§	
Geng Wu	§	
Serial No.: n/a	§	
	§	
Filed: Herewith	§	Group Art Unit: n/a
	§	
Title: ADAPTIVE DUAL-MODE	§	Examiner: n/a
REVERSE LINK SCHEDULING	§	
METHOD FOR WIRELESS	§	
TELECOMMUNICATIONS	§	
NETWORKS	§	
	§	

Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

POWER OF ATTORNEY FOR
PATENT APPLICATION

Nortel Networks Limited, a Canadian corporation having principal offices at:

**2351 Boulevard Alfred-Nobel
St. Laurent, Quebec H4S 2A9, Canada**

the owner by assignment of the entire right, title and interest to the invention for ADAPTIVE DUAL-MODE REVERSE LINK SCHEDULING METHOD FOR WIRELESS TELECOMMUNICATIONS NETWORKS, by Mo-Han Fong, Derek Yu, Jun Li, Ashvin Chheda, Wen Tong, and Geng Wu, and in and to the application for patent and any Letters Patent, whether domestic or foreign, that may issue thereon, hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Gregory W. Carr (Reg. No. 31,093), Theodore F. Shiells (Reg. No. 31,569), Alan A.R. Cooper (Reg. No. 51,217);

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

Please address all correspondence and telephone calls regarding this application to:

Gregory W. Carr (Reg. No. 31,093)
CARR LLP (Cust. No. 021909)
Intellectual Property Law
670 Founders Square
900 Jackson Street
Dallas, Texas 75202
(214) 760-3000
(214) 760-3003 (Telecopy)

The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above, and is authorized to act on behalf of the Assignee.

NORTEL NETWORKS LIMITED

21 July 2003
Date

John D. Crane
Name:
Director, Patents
Title